

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A driving method for an electro-luminescent device which includes, corresponding to an intersection of a scanning line and a data line, ~~a power line~~, an electro-luminescent element, a driving transistor that controls a current flowing through the electro-luminescent element, the electro-luminescent element emitting light by the current and a switching transistor that controls the driving transistor, the driving method comprising:

~~a setting step-step, performed during a first sub horizontal scanning period of a horizontal scanning period, of supplying a first on-signal to the switching transistor via the scanning line, and of supplying a set signal to select a conducting state or a non-conducting state of the driving transistor to the driving transistor via the data line and the switching transistor in accordance with a period for which the first on-signal is supplied;~~

~~a resetting step-step, performed during a second sub horizontal scanning period of the horizontal scanning period, of supplying a second on-signal to the switching transistor via the scanning line, and of supplying a reset signal to select the non-conducting state of the driving transistor to the driving transistor via the data line and the switching transistor in accordance with a period for which the second on-signal is supplied; and supplied,~~

~~a horizontal scanning period that includes a first sub horizontal scanning period to perform the setting step and a second sub horizontal scanning period to perform the resetting step; wherein the period for which the first on-signal is supplied coincides with a period for which the set signal is supplied.~~

2. (Canceled)

3. (Previously Presented) The driving method for an electro-luminescent device according to claim 1, further including performing the setting step in a first horizontal scanning period, and performing the resetting step in a second horizontal scanning period.

4. (Previously Presented) The driving method for an electro-luminescent device according to claim 1, further including obtaining a gray-scale by performing a plurality of set-reset operations, each set-reset operation including the setting step and the resetting step.

5. (Previously Presented) The driving method for an electro-luminescent device according to claim 4, further including providing a time interval between the setting step and the resetting step that is different for each of the plurality of set-reset operations.

6. (Previously Presented) The driving method for an electro-luminescent device according to claim 4, further including providing the time interval between the setting step and the resetting step for each of the plurality of set-reset operations to be completely different from each other, and the ratio of time intervals for the plurality of set-reset operations being set to be about 1:2: ... :2ⁿ (n is an integer of one or more) based on the minimum time interval.

7. (Previously Presented) The driving method for an electro-luminescent device according to claim 1, further including providing the set signal to be a signal for setting the conducting state for the driving transistor rather than the signal for selecting the conducting state or the non-conducting state of the driving transistor.

8. (Previously Presented) The driving method for an electro-luminescent device according to claim 1, further including driving the electro-luminescent element including an organic electro-luminescence element.

9. (Previously Presented) An electro-luminescent device driven by the driving method according to claim 1.

10. (Currently Amended) An electro-luminescent device, comprising:

- a scanning line;
- a data line;
- ~~a power line;~~
- an electro-luminescent element corresponding to an intersection of the scanning line and the data line;
- a driving transistor that controls a current flowing through the electro-luminescent element, the electro-luminescent element emitting light by the current;
- a switching transistor that controls the driving transistor; and
- a drive circuit that generates a signal to set the switching transistor to be an on-state or an off-state, and that generates a set signal to set the driving transistor during a first sub horizontal scanning period of a horizontal scanning period or a reset signal to reset the driving transistor during a second sub horizontal scanning period of the horizontal scanning period in accordance with the signal to set the switching transistor to be the on-state or the off-state; and off-state,
- ~~a horizontal scanning period that includes a first sub horizontal scanning period to perform the setting step and a second sub horizontal scanning period to perform the resetting step; wherein the drive circuit is configured to supply a period for which a first on-signal is supplied to the switching transistor during a period that coincides with a period for which the set signal is supplied.~~

11. (Currently Amended) An electro-luminescent device, comprising:

- a scanning line;
- a data line;
- ~~a power line;~~

an electro-luminescent element corresponding to an intersection at the scanning line and the data line;

a driving transistor that controls a current flowing through the electro-luminescent element, the electro-luminescent element emitting light by the current;

a switching transistor that controls the driving transistor;

a scanning line driver that supplies a signal to set the switching transistor to be an on-state or an on-state off-state to the scanning line; and

a data line driver that supplies a set signal to set the driving transistor during a first sub horizontal scanning period of a horizontal scanning period or a reset signal to reset the driving transistor during a second sub horizontal scanning period of the horizontal scanning period to the data line in accordance with an operation of the scanning line driver;driver,

wherein the data line driver is configured to supply a period of supplying the reset signal to reset the driving transistor via the data line within a vertical scanning period being during a period that is substantially constant;constant, and

a horizontal scanning period that includes a first sub horizontal scanning period to perform the setting step and a second sub horizontal scanning period to perform the resetting step; wherein the scanning line driver is configured to supply a period for which a first on-signal is supplied to the switching transistor during a period that coincides with a period for which the set signal is supplied.

12. (Currently Amended) An electro-luminescent device, comprising:

a scanning line;

a data line;

a power line;

an electro-luminescent element corresponding to an intersection of the scanning line and the data line;

a driving transistor that controls a current flowing through the electro-luminescent element, the electro-luminescent element emitting light by the current; and

a switching transistor that controls the driving transistor, an on-signal to perform a setting step of setting the electro-luminescent element during a first sub horizontal scanning period of a horizontal scanning period and a resetting step of resetting the electro-luminescent element during a second sub horizontal scanning period of the horizontal scanning period being supplied to the switching transistor via the scanning line; ~~line~~,

~~a horizontal scanning period that includes a first sub horizontal scanning period to perform the setting step and a second sub horizontal scanning period to perform the resetting step; and~~

wherein a the number of the signal to perform the setting step and a number of the signal to perform the resetting step being are substantially the same; wherein same, and the switching transistor is configured to supply a period for which a first on-signal is supplied to the switching transistor during a period that coincides with a period for which the set signal is supplied.

13. (Previously Presented) The electro-luminescent device according to claim 10, the electro-luminescent element including an organic electro-luminescence element.

14. (Previously Presented) An electronic apparatus, comprising:

the electro-luminescent device set forth in claim 9.

15. (Currently Amended) A driving method for an electro-luminescent device which includes, corresponding to an intersection of a scanning line and a data line, an electro-luminescent element, a driving transistor that controls a current flowing through the electro-

luminescent element, the electro-luminescent element emitting light by the current and a switching transistor that controls the driving transistor, the driving method comprising:

a setting step-step, performed during a first sub horizontal scanning period of a horizontal scanning period, of supplying a first on-signal to the switching transistor via the scanning line, and of supplying a set signal to select a conducting state or a non-conducting state of the driving transistor to the driving transistor via the data line and the switching transistor in accordance with a period for which the first on-signal is supplied; and

a resetting step-step, performed during a second sub horizontal scanning period of the horizontal scanning period, of supplying a second on-signal to the switching transistor via the scanning line, and of supplying a reset signal to select the non-conducting state of the driving transistor to the driving transistor via the data line and the switching transistor in accordance with a period for which the second on-signal is supplied, the setting step and the resetting step forming a set-reset operation;operation,

wherein a plurality of the set-reset operation beingoperations are performed within one frame period, at least two set-reset operations of the plurality of the set-reset operation having mutually different time lengths;lengths and

a horizontal scanning period that includes a first sub horizontal scanning period to perform the setting step and a second sub horizontal scanning period to perform the resetting step; wherein the period for which the first on-signal is supplied coincides with a period for which the set signal is supplied.

16. (Currently Amended) An electro-luminescent device, comprising:

a scanning line;

a data line;

a power line;

an electro-luminescent element corresponding to an intersection of the scanning line and the data line;

a driving transistor that controls a current flowing through the electro-luminescent element, the electro-luminescent element emitting light by the current, current;

a switching transistor that controls the driving transistor, transistor; and

a drive circuit that generates an on-signal to perform a setting step of setting the electro-luminescent element during a first sub horizontal scanning period of a horizontal scanning period and a resetting step of resetting the electro-luminescent element during a second sub horizontal scanning period of the horizontal scanning period being supplied to the switching transistor via the scanning line; line,

a horizontal scanning period that includes a first sub horizontal scanning period to perform the setting step and a second sub horizontal scanning period to perform the resetting step; and

wherein a plurality of the pairs of the setting step and the resetting step being are performed within one frame period; period, and

wherein a period for which a first on-signal is supplied to the switching transistor coincides with a period for which the a set signal is supplied.